US Army Corps of Engineers

Hurricane Tolbert Projected Damage Areas

Landfall Expected In About **48** Hours

For Official Use Only!

Post Landfall Projected Damage Areas

This model is based on a Category 2 storm making landfall south of Miami and a Category 3 storm making landfall east of Apalachicola.

Forecast Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

These projections are based on information from the NHC (0500 EDT 05/07/2007) forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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Hurricane Tolbert Debris Model

Landfall Expected In About **48** Hours

For Official Use Only!

Post Landfall Debris Model Results

Florida - 3,076,000 Yards
Georgia - 112,000 Yards

Model results per county on following page

This model is based on a Category 2 storm making landfall south of Miami and a Category 3 storm making landfall east of Apalachicola.

Forecast Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

These projections are based on information from the NHC (0500 EDT 05/07/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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Hurricane Tolbert Debris Model

Landfall Expected In About **48** Hours

For Official Use Only!

State	Yards per State	County	Yards per County
Florida		Calhoun	< 1,000
		Collier	212,000
		Dade	1,064,000
		Franklin	91,000
		Gadsden	303,000
		Gulf	2,000
		Jackson	2,000
		Jefferson	6,000
		Leon	853,000
		Liberty	24,000
		Monroe	83,000
		Taylor	3,000
		Wakulla	433,000
Florida	3,076,000		
Georgia		Baker	4,000
		Calhoun	2,000
		Decatur	84,000
		Dougherty	< 1,000
		Early	< 1,000
		Grady	10,000
		Miller	5,000
		Mitchell	4,000
		Randolph	< 1,000
		Seminole	3,000
		Terrell	< 1,000
Georgia	112,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Debris Model

Generated By:
Siemsen, LRL 0530 EDT 05/07/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Population Model

Landfall Expected In About **48** Hours

For Official Use Only!

Post Landfall Population Model Results

Florida - 545,000
Georgia - 28,000

Model results per county on following page

This model is based on a Category 2 storm making landfall south of Miami and a Category 3 storm making landfall east of Apalachicola.

Forecast Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

These projections are based on information from the NHC (0500 EDT 05/07/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Population Model	
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Hurricane Tolbert Population Model

Landfall Expected In About **48** Hours

For Official Use Only!

State	Population per State	County	Population per County
Florida		Collier	2,000
		Dade	234,000
		Franklin	7,000
		Gadsden	43,000
		Jefferson	< 1,000
		Leon	212,000
		Liberty	2,000
		Monroe	16,000
		Taylor	< 1,000
		Wakulla	29,000
Florida	545,000		
Georgia		Baker	< 1,000
		Decatur	28,000
		Grady	< 1,000
		Miller	< 1,000
		Mitchell	< 1,000
Georgia	28,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Population Model

Generated By:
Siemsen, LRL 0530 EDT 05/07/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Households Model

Landfall Expected In About **48** Hours

For Official Use Only!

Post Landfall Households Model Results

Florida - 193,000
Georgia - 10,000

Model results per county on following page

This model is based on a Category 2 storm making landfall south of Miami and a Category 3 storm making landfall east of Apalachicola.

Forecast Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

These projections are based on information from the NHC (0500 EDT 05/07/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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Hurricane Tolbert Households Model

Landfall Expected In About **48** Hours

For Official Use Only!

State	Households per State	County	Households per County
Florida		Collier	< 1,000
		Dade	70,000
		Franklin	3,000
		Gadsden	15,000
		Jefferson	< 1,000
		Leon	87,000
		Liberty	< 1,000
		Monroe	7,000
		Taylor	< 1,000
		Wakulla	11,000
Florida	193,000		
Georgia		Baker	< 1,000
		Decatur	10,000
		Grady	< 1,000
		Miller	< 1,000
		Mitchell	< 1,000
Georgia	10,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Households Model

Generated By:
Siemsen, LRL 0530 EDT 05/07/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Commodities Model

Landfall Expected In About **48** Hours

For Official Use Only!

Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three
Florida – 50/50/50 Truckloads
Georgia – 2/4/7 Truckloads

Model results per county on following page

This model is based on a Category 2 storm making landfall south of Miami and a Category 3 storm making landfall east of Apalachicola.

Forecast Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall south of Miami. These projections are based on information from the NHC ***(0500 EDT 05/07/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating.
Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

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Hurricane Tolbert Commodities Model

Landfall Expected In About **48** Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Florida		Collier	1
		Dade	19
		Franklin	1
		Gadsden	4
		Jefferson	1
		Leon	17
		Liberty	1
		Monroe	2
		Taylor	1
		Wakulla	3
Florida	50		
Georgia		Baker	1
		Decatur	3
		Grady	1
		Miller	1
		Mitchell	1
Georgia	7		

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Commodities Model

Generated By:
Siemsen, LRL 0530 EDT 05/07/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Temporary Housing Model

Landfall Expected In About **48** Hours

For Official Use Only!

Post Landfall Temporary Housing Model Results

Florida - 2,800
Georgia - 200

Model results per county on following page

This model is based on a Category 2 storm making landfall south of Miami and a Category 3 storm making landfall east of Apalachicola.

Forecast Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

These projections are based on information from the NHC (0500 EDT 05/07/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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US Army Corps of Engineers

Hurricane Tolbert Temporary Housing Model

Landfall Expected In About **48** Hours

For Official Use Only!

State	per State	County	per County
Florida		Collier	< 100
		Dade	900
		Franklin	< 100
		Gadsden	400
		Jefferson	< 100
		Leon	1,100
		Liberty	< 100
		Monroe	< 100
		Taylor	< 100
		Wakulla	400
Florida	2,800		
Georgia		Baker	< 100
		Decatur	200
		Grady	< 100
		Miller	< 100
		Mitchell	< 100
Georgia	200		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Housing Model

Generated By:
Siemsen, LRL 0530 EDT 05/07/2007

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Tolbert Temporary Roofing Model

US Army Corps of Engineers

Landfall Expected In About **48** Hours

For Official Use Only!

Post Landfall Temporary Roofing Model Results

Florida - 4,800
Georgia - 300

Model results per county on following page

This model is based on a Category 2 storm making landfall south of Miami and a Category 3 storm making landfall east of Apalachicola.

Forecast Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

These projections are based on information from the NHC (0500 EDT 05/07/2007) forecast. Temporary roofing is based on 2% in CAT 1, 4% in CAT 2 and 7% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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Hurricane Tolbert Temporary Roofing Model

Landfall Expected In About **48** Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Florida		Collier	< 100
		Dade	1,600
		Franklin	< 100
		Gadsden	500
		Jefferson	< 100
		Leon	2,000
		Liberty	< 100
		Monroe	200
		Taylor	< 100
		Wakulla	500
Florida	4,800		
Georgia		Baker	< 100
		Decatur	300
		Grady	< 100
		Miller	< 100
		Mitchell	< 100
Georgia	300		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary roofing is based on 2% in CAT 1, 4% in CAT 2 and 7% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Roofing Model

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Sources:
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LRL-DEBRIS